

Appl. No. 09/683,693  
Amdt. dated January 13, 2005  
Reply to Office action of October 27, 2004

# LISTING OF THE CLAIMS

1. (original) A computer comprising:

- 5       a processor for controlling operation of the computer;  
      a card bus slot connected with the processor for connecting  
          to a PCMCIA card;  
      a power supply for providing the PCMCIA card inserted into  
          the card bus slot with electric power;  
10       a card bus controller connected with the processor for  
          controlling the power supply and the PCMCIA card inserted  
          into the card bus slot;  
      a detection circuit connected with the card bus slot for  
          detecting whether the PCMCIA card is inserted into the  
15       card bus slot;  
      wherein when the detection circuit detects that the PCMCIA  
      card has been inserted into the card bus slot, the card bus  
      controller is turned on for making the power supply start to  
      provide the PCMCIA card with electric power, and provides the  
20       PCMCIA card with corresponding services according to a  
      specification of the PCMCIA card for making the PCMCIA card  
      operate correctly, and when the detection circuit detects that  
      there is no PCMCIA card inserted into the card bus slot, the  
      card bus controller is turned off for lowering power  
25       consumption.

2. (original) The computer of claim 1 being a portable computer.

3. (original) The computer of claim 1 wherein the power supply  
30       is capable of providing the PCMCIA card with different

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voltages, and the card bus controller controls the power supply for providing the PCMCIA card with an optimum voltage according to the specification of the PCMCIA card.

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4. (original) The computer of claim 1 wherein the detection circuit generates a check signal for informing whether the PCMCIA card has been inserted into the card bus slot, and the processor turns on or turns off the card bus controller according to the check signal.

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5. (original) A method for lowering power consumption of a computer, the computer comprising:

a processor for controlling operation of the computer;  
15 a card bus slot connected with the processor for connecting to a PCMCIA card;  
a power supply for providing the PCMCIA card inserted into the card bus slot with electric power;  
a card bus controller connected with the processor for  
20 controlling the power supply and the PCMCIA card inserted into the card bus slot;

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the method comprising:

detecting whether the PCMCIA card has been inserted into the card bus slot;  
25 turning on the card bus controller for making the power supply start providing the PCMCIA card with electric power, and providing the PCMCIA card with corresponding services according to a specification of the PCMCIA card for making the PCMCIA card operate correctly when  
30 detecting an insertion of the PCMCIA card; and

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turning off the card bus controller for lowering power  
consumption when there is no PCMCIA card inserted into  
the card bus slot.

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6. (original) The method of claim 5 wherein the computer is a  
portable computer.

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7. (original) The method of claim 5 wherein the power supply is  
capable of providing the PCMCIA card with different voltages,  
and the card bus controller controls the power supply for  
providing the PCMCIA card with an optimum voltage according  
to the specification of the PCMCIA card.

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8. (original) The method of claim 5 wherein the processor turns  
on or turns off the card bus controller according to a  
connection status between the card bus slot and the PCMCIA  
card.